

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/045433 A2

(51) International Patent Classification⁷: G01N 33/574,
C12Q 1/68

81375 München (DE). KERN, Wolfgang [DE/DE]; Han-
felder Strasse 101, 82319 Starnberg (DE). HAFERLACH,
Torsten [DE/DE]; Springerstrasse 8, 81477 München
(DE).

(21) International Application Number:
PCT/EP2004/012368

(74) Agent: BÖSL, Raphael; Isenbruck Bösl Hörschler Wich-
mann Huhn, Prinzregentenstrasse 68, 81675 München
(DE).

(22) International Filing Date:
2 November 2004 (02.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03025344.7 4 November 2003 (04.11.2003) EP

(71) Applicant (for all designated States except US): LUD-
WIG-MAXIMILIANS- UNIVERSITÄT [DE/DE];
Geschwister-Scholl-Platz 1, 80539 München (DE).

(71) Applicant (for DE only): ROCHE DIAGNOSTICS
GMBH [DE/DE]; Sandhofer Strasse 116, 68305
Mannheim (DE).

(71) Applicant (for all designated States except DE, US): F.
HOFFMANN-LA ROCHE AG [CH/CH]; Grenzacher-
strasse 124, CH-4070 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DUGAS, Mar-
tin [DE/DE]; Am Heidebruch 6, 81377 München
(DE). SCHOCH, Claudia [DE/DE]; Springerstrasse
8, 81477 München (DE). KOHLMANN, Alexander
[DE/DE]; Schwarzstrasse 14, 92318 Neumarkt (DE).
SCHNITZGER, Susanne [DE/DE]; Saalburgstrasse 2a,

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR DISTINGUISHING AML SUBTYPES WITH ABERRANT AND PROGNOSTICALLY INTERME-
DIATE KARYOTYPES

(57) Abstract: Disclosed is a method for distinguishing AML subtypes with aberrant and prognostically intermediate karyotypes
selected from trisomy 8, inv(3), t(3;3), trisomy 11, trisomy 13, trisomy 4, t(1;3), t(6;9), der(5)t(5;11), i(17), del(9q), del(12p), and/or
del(20q) in a sample by determining the expression level of markers, as well as a diagnostic kit and an apparatus containing the
markers.



WO 2005/045433 A2